Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/27/2018 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123791	-1	1.83	123808	1.84
Blue	F	SSC	125000	125808	0	1.62	126495	1.58
Blue	E	FITC	16596	16215	-3	3.00	352	21.18
Blue	D	PE	29392	28792	-3	2.09	626	15.87
Blue	B	PerCP-Cy5-5	38531	38751	0	4.21	1185	22.32
Blue	A	PE-Cy7	26351	26979	2	7.75	646	45.11
Red	C	APC	43035	42528	-2	2.71	1606	13.12
Red	A	APC-Cy7	25611	25531	-1	2.91	878	12.82
Violet	B	V450	8803	8467	-4	4.00	467	13.75
Violet	A	V500	32560	31885	-3	3.76	740	10.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20181	4.68	607	10	N/A	N/A	Pass
Blue	F	SSC	57299	1.23	568	13	N/A	N/A	Pass
Blue	E	FITC	62	68.71	555	5	0.0175	165	Pass
Blue	D	PE	131	55.17	555	6	0.1496	327	Pass
Blue	B	PerCP-Cy5-5	227	52.74	660	9	0.0075	37	Pass
Blue	A	PE-Cy7	129	109.89	719	14	0.0092	27	Pass
Red	C	APC	377	27.44	599	2	0.0205	113	Pass
Red	A	APC-Cy7	214	27.96	573	2	0.0048	820	Pass
Violet	B	V450	76	61.77	479	4	0.0534	2497	Pass
Violet	A	V500	111	33.89	490	6	0.0205	588	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.27	-31.88	1.06
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	16.91	13.60 - 20.40	N/A	N/A	29.47	29.53	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10203

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments